

I claim:

- 1 1. An intraocular lens system, comprising:
 - 2 a) a first lens assembly;
 - 3 b) a second lens assembly having an optic;
 - 4 c) a plurality of yokes surrounding the optic and attached to the optic by a
5 plurality of first hinges;
 - 6 d) a pair of end walls and a pair of pads, the end walls and the pads being
7 flexibly attached and arranged generally in the shape of an ellipse surrounding the
8 yokes;
 - 9 e) a plurality of links hingedly connected to the pair of pads; and
10 f) a plurality of second hinges flexibly connecting the yokes to the links.
- 1 2. The lens system of claim 1 wherein the yokes attach to a plurality of pads,
2 the pads being hingedly connected to the links.
- 1 3. The lens system of claim 1 wherein the end walls are connected by a
2 plurality of struts, the struts preventing movement of the end walls relative to one another,
3 but allowing movement of the pads relative to the end walls.
- 1 4. The lens system of claim 1 wherein the optic comprises a soft acrylic
2 material.
- 1 5. The lens system of claim 1 wherein the second lens assembly is integrally
2 formed as a single piece.
- 1 6. The lens system of claim 3 wherein the pads are moveable in response to
2 movement of a ciliary muscle.
- 1 7. The lens system of claim 6 wherein inward movement of the pads in
2 response to movement of a ciliary muscle causes axially movement of the optic.

1 8. The lens system of claim 7 wherein the axial movement of the optic is at
2 least twice the inward movement of the pads.

1 9. The lens system of claim 8 wherein the axial movement of the optic is five
2 times the inward movement of the pads.

1 10. The lens system of claim 1 wherein the first lens assembly is implanted
2 separately from the second lens assembly.

1 11. The lens system of claim 1 wherein the first lens assembly is integrally
2 formed with the second lens assembly.

1 12. The lens system of claim 1 wherein the first lens assembly is attached to the
2 second lens assembly.

1 13. The lens system of claim 1 wherein the pads and the end walls have
2 heights, and the heights of the pads and the end walls are designed so as to prevent the
3 anterior and posterior capsule membranes from moving closer to each other.

1 14. An intraocular lens system, comprising:

- 2 a) a first lens assembly having a first optic and a generally open interior; and
3 b) a second lens assembly having a second optic, the second lens assembly
4 being sized and shaped to fit within the open interior of the first lens assembly so
5 that compression of the first lens assembly causes the first optic and the second
6 optic to move axially relative to each other.